SLSS CANAnalyser Pro Software A2B Qwiic interface addendum

For use with Serosys Technologies hardware dongles

Document: V1.2.4.3L - February 2026

Users Manual

Based on software version 1.2.4.3L

1. Qwiic Interface

1.1. Interface to Flextech Bus Monitor

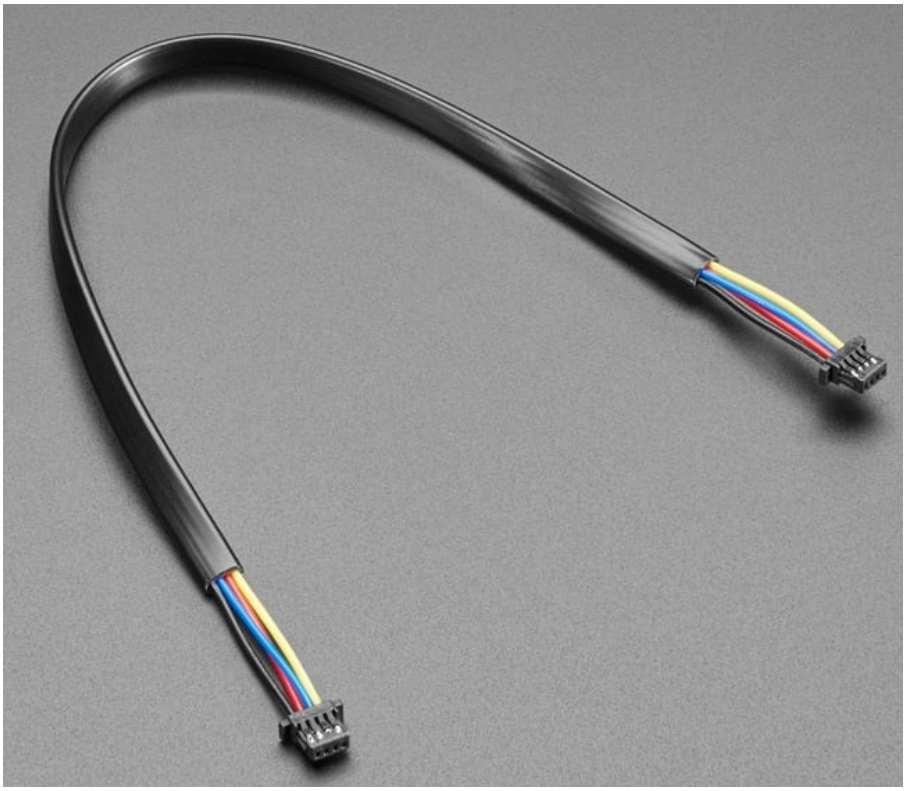
This is an interface to work in parallel with the Pocket A2B Bus Monitor products by FlextechAKT.

This interface works on both Flextech A2B Bus Monitor versions which support A2B 1.0 or A2B 2.0.

https://flextechakt.com/products/a2b-pocket-bus-monitor
https://flextechakt.com/products/a2b-2-0-bus-monitor

To support this interface, users must add "AKT Automation power by Lua" to the purchase of the Flextech A2B Bus Monitor

A Qwiic cable is required to connect the SeRoSys products to the Flextech products. This is available to purchase as an add-on from our purchase page

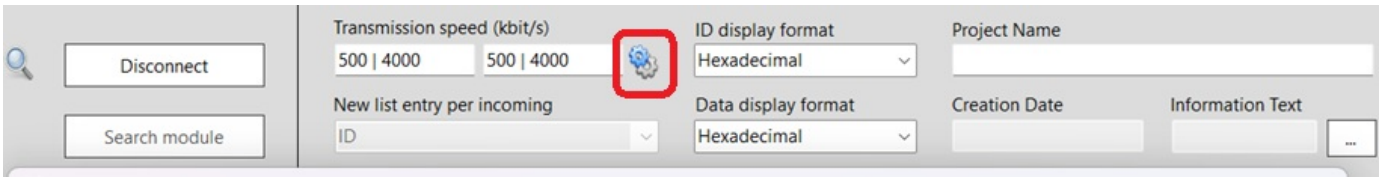


This interface requires a Lua script to be copied on to the microSD card that is provided with the Flextech Pocket A2B Bus Monitor. The Lua script may be downloaded from our downloads page at https://serosys-tech.com/downloads/

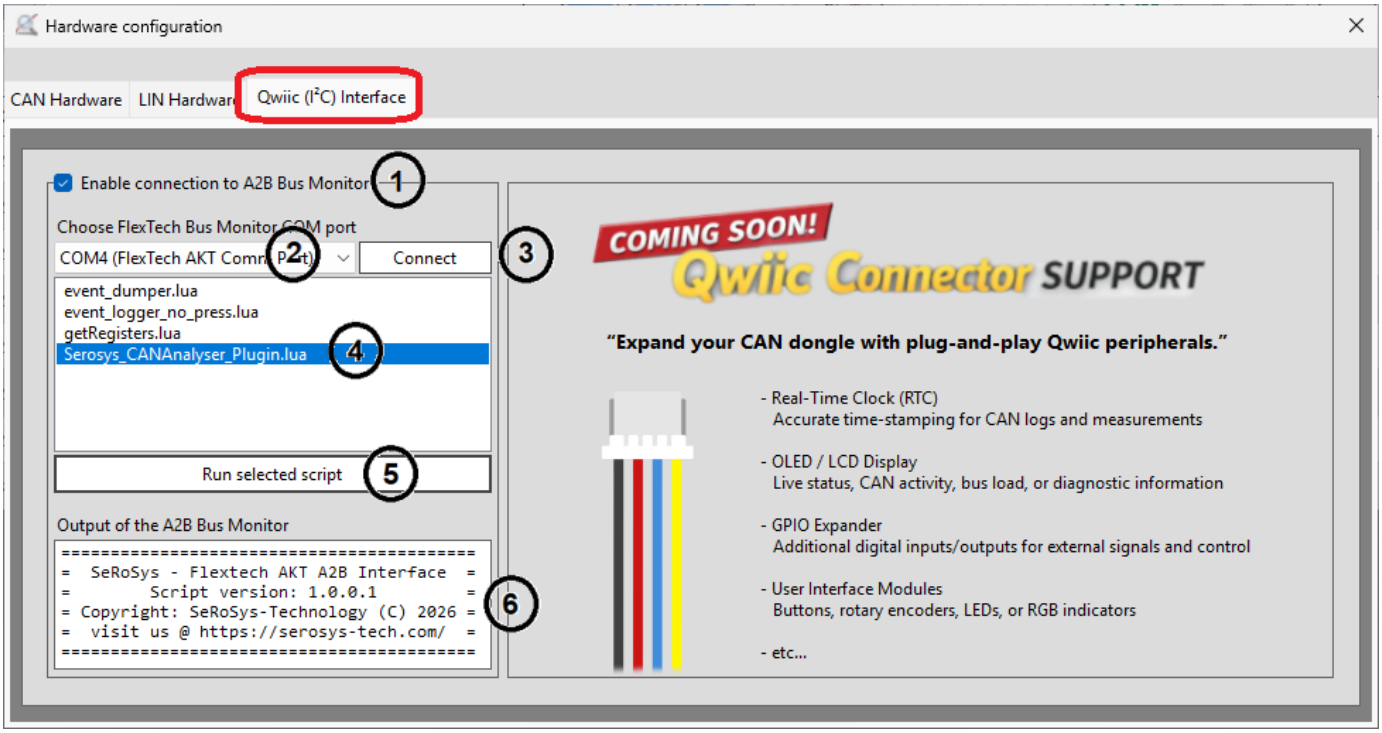
Upon downloading the Lua file. Please copy the Lua file to the microSD card and insert the card into the Flextech A2B Bus Monitor. **This Lua file is NOT for the microSD card in the SeRoSys dongle**

1.2. Hardware Configuration

Press the setup gear icon to enter the Hardware configuration screen.



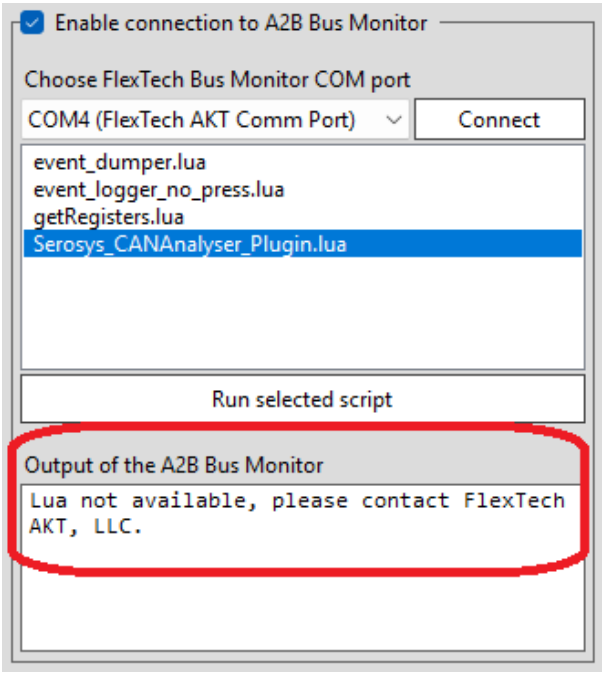
Select the tab "Qwiic (I2C) Interface"



1. Ensure the checkbox is enabled to access the connection to the A2B Bus Monitor
2. Select the Comm port from the drop-down that matches the description **(FlexTech AKT Comm Port)**
3. Press Connect
4. Once successfully connected, a list of Lua scripts will be shown that are on the microSD card on the A2B Bus Monitor. Choose / highlight the file called **"Serosys_CANAnalyser_Plugin.lua"**
5. Run the selected script
6. If the response matches the image text above then everything is ready to go!

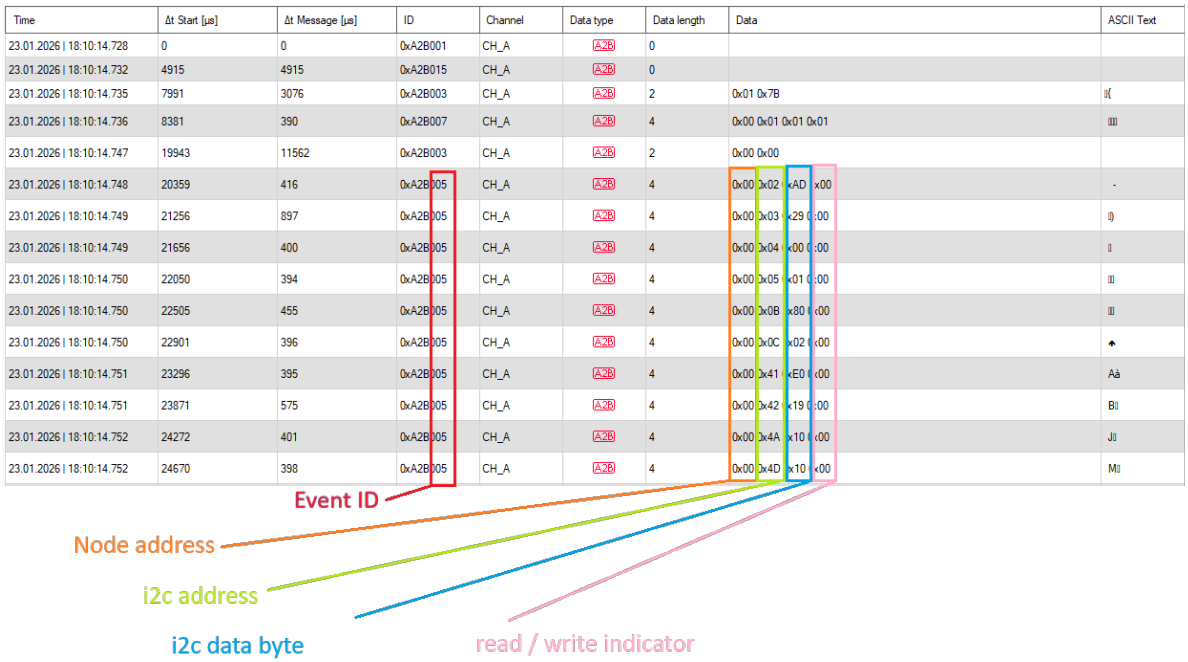
Close the Hardware Configuration window and now the connection is complete and the tools will work together.

If the text box window shows the following response then that means that the Lua support was not purchased with the Flextech device and Flextech AKT must be contacted for unlocking Lua access on the A2B Bus Monitor



1.3. A2B + Qwiic Feature Usage

At this point, everything will work the same as with the CAN bus monitoring. A2B messages received by the A2B Bus Monitor can be seen on the Incoming Data tab and the Logfile Recorder tab. The logs may be exported and analyzed offline or additionally imported into the Data Viewer.



A2B messages will now be chronologically integrated with CAN messages. To identify them, the Data Type column will have a red **[A2B]** icon.

In the ID column uses the unique ID of 0xA2Bxxx where xxx is the A2B Event ID.

In the raw data, the various bytes are identified per the details above.

Incoming Data | Logfile Recorder [ID FILTER ACTIVATED] | Send CAN Messages | Send LIN Messages | Standalone Send Mode | Reverse Engineering | Incoming Database Signals | Send Database Signals

Time	Δt Start [µs]	Δt Message [µs]	ID	Channel	Data type	Data length	Data	ASCII Text	Designation
13.02.2026 | 04:22:51.651	2431402	15549	0x156	CH_A	STD	8	0x5D 0xC4 0x00 0x00 0x03 0x00 0x00 0x00	]Ä	
13.02.2026 | 04:22:51.666	2446383	14981	0x159	CH_A	STD	8	0x3A 0x62 0x00 0x18 0xC6 0x00 0xAD 0x00	:b Æ -	
13.02.2026 | 04:22:51.671	2451681	5298	0xA2B005	CH_A	A2B	4	0x00 0x5A 0x81 0x00		A2B Register Access (I2C_REG) * Node: 0 * Address: CLK2CFG (0x5A) * Access mode: WRITE * Data: 0x81
13.02.2026 | 04:22:51.681	2461386	9705	0x420	CH_A	STD	8	0x00 0x00 0x00 0x00 0x00 0x00 0x06 0x00		
13.02.2026 | 04:22:51.696	2476360	14974	0x340	CH_A	STD	8	0x01 0x1A 0x00 0xC2 0x00 0x0E 0x6A 0xAA	Â j³	
13.02.2026 | 04:22:51.711	2491356	14996	0x165	CH_A	STD	8	0x00 0x00 0x00 0x40 0x00 0x00 0x00 0x05	@	
13.02.2026 | 04:22:51.722	2502387	11031	0xA2B005	CH_A	A2B	4	0x00 0x65 0x03 0x00		A2B Register Access (I2C_REG) * Node: 0 * Address: DNMASK0 (0x65) * Access mode: WRITE * Data: 0x03
13.02.2026 | 04:22:51.726	2506349	3962	0x3DA	CH_A	STD	8	0x05 0x64 0x00 0x00 0x00 0x00 0x00 0x00	d	
13.02.2026 | 04:22:51.764	2544687	38338	0x201	CH_A	STD	8	0x0B 0x57 0x41 0x3C 0x00 0x00 0x18 0x00	WA<	
13.02.2026 | 04:22:51.773	2553097	8410	0xA2B005	CH_A	A2B	4	0x00 0x1B 0x00 0x00		A2B Register Access (I2C_REG) * Node: 0 * Address: INTMSK0 (0x1B) * Access mode: WRITE * Data: 0x00

The Designation column includes the human readable data interpretation for easy analysis.

1.4. SLSS CANAnalyser ID cross-reference to A2B EventID

The ID column in the Incoming Data and the Logfile recorder needs to be set as the ID display format of HEX in order to properly see the 0xA2Bxxx ID's, otherwise they will be the DEC or Binary version and more difficult to use.

ID	EventID Message
0xA2B001	Bias OK
0xA2B002	Bias OK removed
0xA2B003	A2B Discovery
0xA2B004	A2B NEWSTRCT
0xA2B005	A2B RegisterAccess (I2C_REG)
0xA2B006	A2B Peripheral I2C Transaction (I2C_PERIPHERAL)
0xA2B007	A2B Downstream Frame Error (SCF)
0xA2B008	A2B Upstream Frame Error (SRF)
0xA2B009	A2B Slave Error
0xA2B00A	A2B Interrupt (IRQ)
0xA2B00B	A2B Sequence Error
0xA2B00C	A2B SPI Transaction
0xA2B00D	Bias reverse detected
0xA2B00E	Bias reverse removed
0xA2B00F	Bus locked
0xA2B010	Bus unlocked
0xA2BFFF	Buffer overflow error